



Service Oriented Architecture & Business Process Execution Language (SOA & BPEL) Course Syllabus

Course Description:

Service Oriented Architecture (SOA) is a specification to make a distributed application over the Internet. Business Process Execution Language (BPEL) has emerged as the clear standard for composing multiple synchronous and asynchronous services into collaborative and transactional process flows usually using Visual Design Tools.

Prerequisite Course(s):

- Java Programming
- Advanced Java Programming
- Remote Method Invocation (RMI)
- XML & Java API for XML Processing
- Developing Web Applications using Servlets & JSP
- Advanced Servlets & JSP
- Enterprise Java Beans & Java Persistence API (EJB & JPA)
- Java Web Services

Learning Objectives:

- To familiarize the trainees with the Service Oriented Architecture (SOA).
- To enable the trainees to visually design a complete Business process using BPEL components.

Course Outline:

- Introduction Service Oriented Architecture (SOA).
- Introduction to Business Process Execution Language (BPEL).
- Invoking a Synchronous Service using BPEL.
- Invoking an Asynchronous Service using BPEL.
- Adding Parallel Flow using BPEL.
- Adding Conditional Branching Logic using BPEL.
- Creating Fault Handling and Exception Management using BPEL.
- Learning Advanced BPEL features.